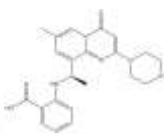


**PRODUCT: AZD-6482****ALTERNATE NAME:** (-)-2-[[[(1*R*)-1-[7-Methyl-2-(4-morpholinyl)-4-oxo-4*H*-pyrido[1,2-*a*]pyrimidin-9-yl]ethyl]amino]benzoic acid**CATALOG #:** B1143-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>22</sub>H<sub>24</sub>N<sub>4</sub>O<sub>4</sub>**MOLECULAR WEIGHT:** 408.45**CAS NUMBER:** 1173900-33-8**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (>35 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.

**DESCRIPTION:** AZD-6482 is a potent and selective inhibitor of PI 3-kinase β (PI 3-Kβ) (IC<sub>50</sub> values are 0.69, 13.6, 47.8 and 136 nM for PI 3-Kβ, PI 3-Kδ, PI 3-Kγ and PI 3-Kα, respectively). It displays 80-fold selectivity for PI3Kβ over PI3k-C2 and DNA-PK and more than 1,000-fold over other PI3K-related kinases. AZD6482 blocks Akt signaling and tumor growth in a large number of cancer cell lines, including those that are dependent on PI3Kβ activation or PTEN loss.

**REFERENCES:** Nylander, S., *et al.* (2012). *J. Thromb. Haemost.* **10**, 2127-2136.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

APY-0201 (Cat. No. 9564-5,25)  
 AS-604850 (Cat. No. 2339-1, 5)  
 BAG956 (Cat.No. 2456-5, 25)  
 BEZ235 (NVP-BEZ235) (Cat. No. 1626-5, 25)  
 CAL-101 (Cat. No. 2613-5, 25)  
 GDC-0941 bismesylate (Cat. No. 1623-1, 5)  
 Deforolimus (Cat. No. 1587-5, 25)  
 DiscoveryPak™ PI 3-Kinase Inhibitor Panel (Cat. No. K856-5)  
 GDC-0941 (Cat. No. 1623-1,5)  
 GSK-263771 (Cat. No. 2793-5, 25)  
 IC87114 (Cat. No. 1661-1)  
 IPI-145 (Cat. No. 2445-5, 25)  
 LY 294002 (Cat. No. 1667-5, 25)  
 NVP-BKM120 (Cat. No. 2619-5, 25)  
 mTOR Inhibitor, Ku-0063794 (Cat. No. 1779-1,5)  
 OSU-03012, hydrochloride (Cat. No. 2295-5, 25)  
 PI-103 (Cat. No. 1728-1,5)  
 PIK-294 (Cat. No. 2614-5, 25)  
 PI3-Kγ Inhibitor, AS-605240 (Cat. No. 1780-1,5)  
 PathwayReady™ PI3-K/Akt/mTOR Signaling Inhibitor panel (Cat. No. K857-11)  
 PP242 (Cat. No. 1658-1)  
 PX-866 (Cat. No. 1965-1, 5)  
 Rapamycin (Cat. No. 1568-5, 50)  
 Temsirolimus (Cat. No. 1600-5, 25)  
 TGX-115 (Cat. No. 1660-1)  
 TGX-221 (Cat. No. 1781-1,5)  
 Wortmannin (Cat. No. 1670-1)  
 YM201636 (Cat. No. 2045-1, 5)  
 XL147 (Cat. No. 9401-5, 25)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**